

FIGURE 1
CHANNEL - CONTAINING OPTICAL DEVICE COMPONENTS

RECEPTIVE MATERIAL --- OPTIONAL
ATTACHMENT LAYER
AR LAYER --- OPTIONAL
BASE LAYER
SUPPORT



OPTICALLY FUNCTIONAL LAYER

FIGURE 2

SUPPORT FEATURES AND OPTICALLY FUNCTIONAL LAYER

FIGURE 2A:

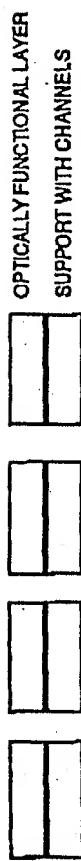


FIGURE 2B:

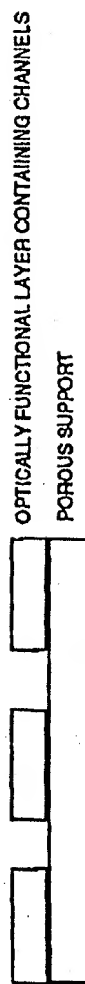
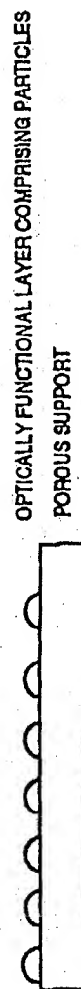


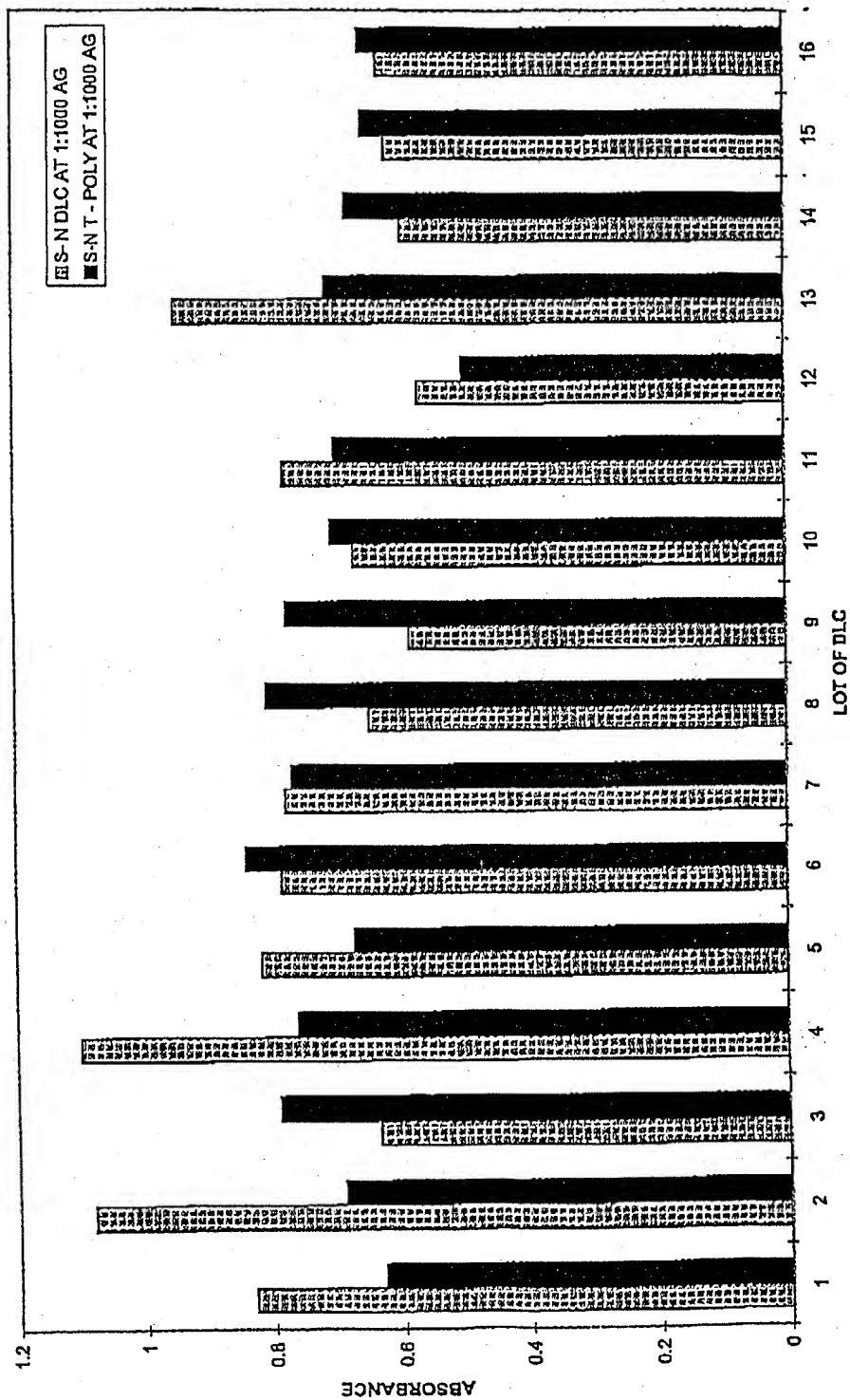
FIGURE 2C:



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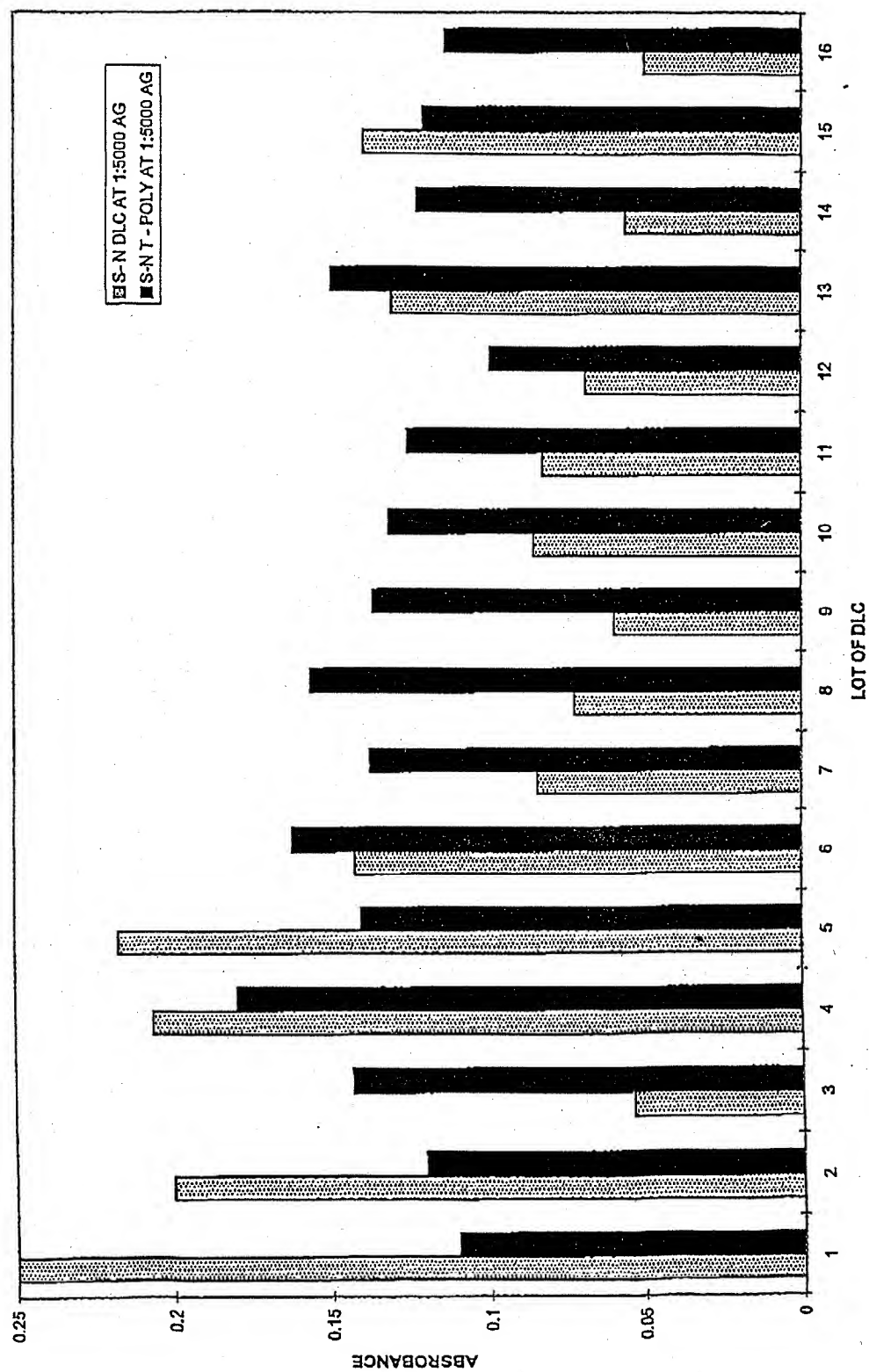
Figure 3

COMPARISON OF DLC TO T - POLYMER FOR CAPTURE OF LPS AT 1:1000 DILUTION OF LPS



S - N = SIGNAL - NOISE (BACKGROUND), ABSORBANCE READING FOR TMB SUBSTRATE TURNOVER

COMPARISON OF DLC TO T - POLYMER FOR CAPTURE OF 1:5000 DILUTION OF LPS



S - N = SIGNAL - NOISE (BACKGROUND), ABORANCE= READING FOR TMB SUBSTRATE TURNOVER